Patent
272/015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:	Previous Group Art Unit No. 1642
GORDON MILLS et al.	Previous Examiner: Karen A. Canella
Serial No.: Not Yet Assigned	
Filed: Herewith	
For: **METHOD FOR DETECTING CANCER ASSOCIATED WITH ELEVATED LEVELS OF LYSOPHOSPHOLIPIDS**	

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

IN THE SPECIFICATION:

On page 1 of the specification before "Introduction" please insert the following:

Related Information

This application is a continuation of U.S. Patent Application Serial No. 08/822,128 filed on March 21, 1997. The priority of the prior applications are expressly claimed, and the disclosure of each of these prior applications is hereby incorporated by reference in its entirety.

CERTIFICATE OF MAILING
(37 C.F.R. §1.10)

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OC-104708.1

IN THE CLAIMS:

Please cancel claims 1-47 without prejudice and insert the following new claims.

48. A method to detect a gynecological cancer comprising:

(a) determining the concentration of LysoPA and LysoPI in a sample of bodily fluid taken from a patient;

(b) comparing the concentration of LysoPA and LysoPI to normal concentrations;

(c) and correlating an altered concentration of LysoPA and LysoPI to the presence of cancer.

49. The method of claim 48 further comprising the step of determining the concentration of a subtype of LysoPA in the sample.

50. The method of claim 48 further comprising the step of determining the concentration of a subtype of LysoPI in the sample.

51. The method of claim 48 wherein said method comprises the step of measuring a subtype concentration of palmitoyl-X, stearoyl-X, oleoyl-X or linoleoyl-X in the sample from the patient, where X is LysoPA or LysoPI and comparing the subtype concentration to a control concentration.

52. The method of claim 40 wherein the subtype concentration is palmitoyl-LysoPI.

53. The method of claim 50 wherein the subtype concentration is linoleoyl-LysoPI.

54. The method of claim 50 wherein the subtype concentration is oleoyl-LysoPA.

55. The method of claim 48 further comprising the step of determining the concentration of an additional cancer marker.

56. The method of claim 55 wherein said marker is selected from the group consisting of CA125, Tac, soluble IL2 receptor alpha, mCSF, OVX1, CEA, PSA, CA15-3 and CA19.9.

57. The method of claim 48 wherein the concentration of LysoPA and LysoPI is determined at successive time intervals to measure a charge over time for the concentration of LPA and LPI in the bodily fluid from the patient.

58. The method of claims 48, 49, 50, 51, 52, 53, 54, 55, 56 or 57 wherein the sample of bodily fluid is plasma.

59. The method of claims 48, 49, 50, 51, 52, 53, 54, 55, 56 or 57 wherein the sample of bodily fluid is serum.

Respectfully submitted,

LYON & LYON LLP

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By: _____
Kurt T. Mulville
Reg. No. 37,194
Attorneys for Applicant

633 West Fifth Street, Suite 4700
Los Angeles, California 90071-2066
949/567-2300 X 1124
213/955-0440 Facsimile